

Application Serial No. 10/593,610
Reply to office action of September 10, 2009

PATENT
Docket: CU-5095

Amendments To The Claims

The listing of claims presented below will replace all prior versions and listings of claims in the application.

Listing of claims:

1-12. (canceled)

13. (currently amended) A ~~package providing apparatus~~ **TV-Anytime service system having a processor** for providing a package wherein the package is composed of contents including a component or item, the ~~apparatus system~~ comprising:

a package metadata generating unit for generating package metadata including relation metadata describing temporal relation and spatial relation between the contents; and

a providing unit for providing the package metadata.

14. (currently amended) The ~~apparatus as recited in~~ **TV-Anytime service system of** claim 13, wherein the temporal relation includes absolute temporal information or relative temporal information.

15. (currently amended) The ~~apparatus as recited in~~ **TV-Anytime service system of** claim 13, wherein the spatial relation includes relative distance information.

16. (currently amended) The ~~apparatus as recited in~~ **TV-Anytime service system of** claim 15, wherein the spatial relation includes relative size information according to a user interface.

17. (currently amended) A ~~package providing apparatus~~ **TV-Anytime service system having a processor** for consuming a package wherein the package is composed of contents including a component or item, the ~~apparatus system~~ comprising:

a package metadata obtaining unit for obtaining package metadata including relation metadata describing temporal relation and spatial relation between the

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contents; and

an analyzing unit for analyzing the package metadata.

18. (currently amended) The ~~apparatus as recited in~~ TV-Anytime service system of claim 17, wherein the temporal relation includes absolute temporal information or relative temporal information.

19. (currently amended) The ~~apparatus as recited in~~ TV-Anytime service system of claim 17, wherein the spatial relation includes relative distance information.

20. (currently amended) The ~~apparatus as recited in~~ TV-Anytime service system of claim 19, wherein the spatial relation includes relative size information according to a user interface.

21. (currently amended) A processor readable storage medium with instructions stored thereon for a package providing method for providing a package wherein the package is composed of contents including a component or item, wherein executing the instructions on the processor provides TV-Anytime service steps of the method comprising:

generating package metadata including relation metadata describing temporal relation and spatial relation between the contents; and
providing the package metadata.

22. (currently amended) The ~~method as recited in~~ processor readable storage medium of as recited in claim 21, wherein the temporal relation includes absolute temporal information or relative temporal information.

23. (currently amended) The ~~method as recited in~~ processor readable storage medium of claim 21, wherein the spatial relation includes relative distance information.

24. (currently amended) The ~~method as recited in~~ processor readable storage

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medium of claim 23, wherein the spatial relation includes relative size information according to a user interface.

25. (currently amended) A processor readable storage medium with instructions stored thereon for a package consuming method for consuming a package wherein the package is composed of contents including a component or item, wherein executing the instructions on the processor provides TV-Anytime service steps of the method comprising:

obtaining package metadata including relation metadata describing temporal relation and spatial relation between the contents; and
analyzing the package metadata.

26. (currently amended) The ~~method as recited in~~ processor readable storage medium of claim 25, wherein the temporal relation includes absolute temporal information or relative temporal information.

27. (currently amended) The ~~method as recited in~~ processor readable storage medium of claim 25, wherein the spatial relation includes relative distance information.

28. (currently amended) The ~~method as recited in~~ processor readable storage medium of claim 27, wherein the spatial relation includes relative size information according to a user interface.

29. (currently amended) A TV-Anytime service system having a processor for providing and consuming a package wherein the package is composed of contents including a component or item, the system comprising:

a package providing apparatus comprising a package metadata generating unit for generating package metadata including relation metadata describing temporal relation and spatial relation between the contents and a providing unit for providing the package metadata; and

a package consuming apparatus comprising a package metadata obtaining unit

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for obtaining the package metadata and an analyzing unit for analyzing the package metadata.

30. (currently amended) The TV-Anytime service system ~~as recited in~~ of claim 29, wherein the temporal relation includes absolute temporal information or relative temporal information.

31. (currently amended) The TV-Anytime service system ~~as recited in~~ of claim 29, wherein the spatial relation includes relative distance information.

32. (currently amended) The TV-Anytime service system ~~as recited in~~ of claim 31, wherein the spatial relation includes relative size information according to a user interface.

33. (currently amended) A processor readable storage medium with instructions stored thereon, wherein executing the instructions on the processor provides a TV-Anytime service relation metadata for describing relation between a plurality of contents including component or item, wherein the relation metadata describes temporal relation and spatial relation between the contents.

34. (currently amended) The ~~relation metadata as recited in~~ processor readable storage medium of claim 33, wherein the temporal relation includes absolute temporal information or relative temporal information.

35. (currently amended) The ~~relation metadata as recited in~~ processor readable storage medium of claim 33, wherein the spatial relation includes relative distance information.

36. (currently amended) The ~~relation metadata as recited in~~ processor readable storage medium of claim 35, wherein the spatial relation includes relative size information according to a user interface.